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JAPANESE PATENT OFFICE

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(71)Applicant:

NICHIA CHEM IND LTD

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(72)Inventor:

MITSUMURA TATSUHISA
YASUOKA TAKESHI

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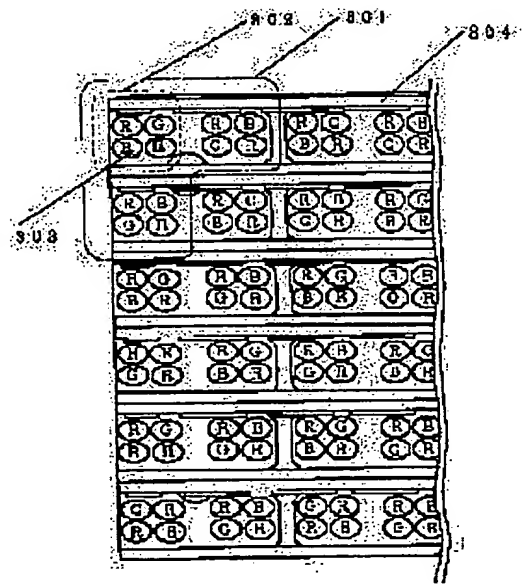
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(54) LED DISPLAY AND DISPLAY DEVICE USING IT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a LED display and a display device in which outward appearance is good at the time of non-lighting and color deviation is less by making picture elements constituting a pixel in a block different one another in arrangement and arranging the block repeatedly.

SOLUTION: Semiconductor light emitting elements which can emit R, G, B respectively are arranged in each light emitting diode. One more R is arranged in addition to light emitting diode which can emit R, G, B, then four elements constitutes one diode. One pixel of a LED display performs display using this four elements. In this case, color deviation is suppressed by arranging a block periodically and repeatedly changing arrangement of light emitting diodes of RGB constituting one pixel in a block. That is, as shown by a dot line 302, one more R is added to a light emitting diode of RGB and four elements constitutes one pixel. Also, as shown by a chain line 301, one block is formed by using three pixels vertically and horizontally. A LED display is constituted by arranging blocks repeatedly.



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